REIME

Eco Tap

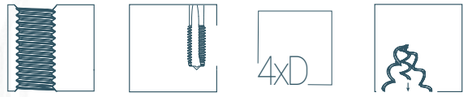
With REIME, you are choosing tools that are based on the high quality standards of REIME NORIS, but have been specifically optimised for maximum cost-effectiveness in day-to-day use. This gives you proven engineering expertise in a form that is perfectly tailored to your cost-optimised processes.

REIME EcoTap HX

The EcoTap HX has been specifically developed for the reliable production of blind hole threads with a depth of up to 3xD. Its pronounced spiral flute ensures highly efficient chip evacuation against the cutting direction, thereby minimising the risk of chip nesting.

- Versatility: Optimised for machining structural and stainless steels.
- Performance: Reliable threading results with excellent smoothness.

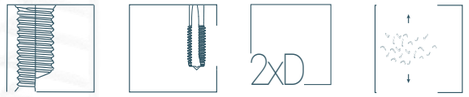
REIME EcoTap SB



For the efficient production of through-holes, the EcoTap SB offers a universal solution across a wide range of materials – from standard steels and aluminium to non-ferrous metals.

- Precision: The specially designed chamfer form B ensures an optimal spiral point, which directs the chips out of the borehole in a controlled direction.
- Result: First-class thread quality combined with high cost-effectiveness, ideal for the requirements of general mechanical engineering and the automotive sector.

REIME EcoTap SC



The EcoTap SC is the straight-fluted solution for materials that produce short chips. It can be used flexibly for thread depths of up to 2xD and is suitable for both blind and through holes.

- Focus: Specially developed for materials that produce short chips to ensure clean and uncomplicated chip removal.
- Cost-effectiveness: A reliable tool for small and medium-sized production runs where reliability is the top priority.

REIME EcoTap

Thread dimensions	D1 [mm]	P [mm]	Drill-Ø [mm]	L1 [mm]	D2 [mm]	Norm	HX HSSE - Form C ISO 2 Order number	HX HSSE-PM TIN - Form C ISO 2 Order number	SB HSSE - Form B ISO 2 Order number	SB HSSE-PM TIN - Form B ISO 2 Order number	SC HSSE NIT - Form C ISO 2X Order number
M3 6H	3	0,5	2,5	56	3,5	DIN371	RT14A.0B000030	RT14B.0B040030	RT12A.0A000030	RT12B.0A040030	
M4 6H	4	0,7	3,3	63	4,5	DIN371	RT14A.0B000040	RT14B.0B040040	RT12A.0A000040	RT12B.0A040040	
M5 6H	5	0,8	4,2	70	6	DIN371	RT14A.0B000050	RT14B.0B040050	RT12A.0A000050	RT12B.0A040050	
M6 6H	6	1	5	80	6	DIN371	RT14A.0B000060	RT14B.0B040060	RT12A.0A000060	RT12B.0A040060	RT11C.0B020060
M8 6H	8	1,25	6,8	90	8	DIN371	RT14A.0B000080	RT14B.0B040080	RT12A.0A000080	RT12B.0A040080	RT11C.0B020080
M10 6H	10	1,5	8,5	100	10	DIN371	RT14A.0B000100	RT14B.0B040100	RT12A.0A000100	RT12B.0A040100	RT11C.0B020100
M12 6H	12	1,75	10,2	110	9	DIN376	RT24A.0B000112	RT24B.0B040112	RT22A.0A000112	RT22B.0A040112	RT21C.0B020112
M16 6H	16	2	14	110	12	DIN376	RT24A.0B000116	RT24B.0B040116	RT22A.0A000116	RT22B.0A040116	RT21C.0B020116
M20 6H	20	2,5	17,5	140	16	DIN376	RT24A.0B000120	RT24B.0B040120	RT22A.0A000120	RT22B.0A040120	RT21C.0B020120

				HX HSSE - Form C ISO 2 Vc [m/min]	HX HSSE-PM TIN - Form C ISO 2 Vc [m/min]	SB HSSE - Form B ISO 2 Vc [m/min]	SB HSSE-PM TIN - Form B ISO 2 Vc [m/min]	SC HSSE NIT - Form C ISO 2X Vc [m/min]
P	STEEL MATERIALS							
	Unalloyed and low-alloy steels	≤ 800N/mm²	P1.1	8 - 15	10 - 18	8 - 15	10 - 18	
		≤ 1200N/mm²	P1.2	4 - 8	6 - 10	4 - 8	6 - 10	
		≤ 1400N/mm²	P1.3	2 - 6	4 - 8	2 - 6	4 - 8	
	High alloy steels	≤ 1400N/mm²	P2.1		2 - 10		2 - 10	
M	CORROSION AND ACID PROOF STEELS							
	Stainless austenitic steels + DUPLEX steels	≤ 800N/mm²	M1.1	4 - 8	6 - 10	4 - 8	6 - 10	
		≤ 1300N/mm²	M1.2					
K	CAST MATERIALS							
	Cast iron, nodular cast iron, Vermicular graphite cast iron, malleable cast iron	≤ 800N/mm²	K1.1		10 - 20		10 - 20	8 - 15
	Ausferritic cast iron (ADI) + Hard casting	≤ 1400N/mm²	K2.1					
N	NON FERROUS MATERIALS							
	Aluminium wrought alloys		N1.1	8 - 15		8 - 15		
	Aluminium cast alloys	≤ 12%Si	N1.2		15 - 20		15 - 20	
		≥ 12%Si	N1.3					
	Copper + Copper alloys (long-chip.)		N2.1	8 - 15	15 - 20	8 - 15	15 - 20	
	Copper alloys (short-chip.)		N2.2	10 - 20	20 - 30	10 - 20	20 - 30	
	High-strength copper alloys	≥ 800N/mm²	N2.3		4 - 10		4 - 10	
	Zinc alloys		N3.1	10 - 20	20 - 30	10 - 20	20 - 30	
	Magnesium wrought alloys		N4.1	10 - 15	15 - 20	10 - 15	15 - 20	
	Thermoplastics		N5.1	15 - 20		15 - 20		
	Fibre-reinforced synthetics + Duroplastics		N5.2					6 - 10

The listed cutting data are standard values. This values have to be adjusted to individual work conditions.

LUBRICANT RECOMMENDATION | EMULSION | CUTTING OIl

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